

Release Notes

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Platform Compatibility and Deployment Requirements

SonicWALL GMS can be hosted in three deployment scenarios as follows:

- Microsoft Windows Server software
- VMware ESX/ESXi virtual appliance
- SonicWALL UMA appliance

Microsoft Windows Server Operating Systems

The SonicWALL GMS supports the following Microsoft Windows operating systems:

- Windows Server 2003 32-bit and 64-bit (SP2)
- Windows Server 2008 SBS R2 64-bit
- Windows Server 2008 R2 Standard 32 bit and 64 bit

Note: In all instances, SonicWALL GMS is running as a 32-bit application. Bundled databases run in 64-bit mode on 64-bit Windows operating systems. All listed operating systems are supported in both virtualized and non-virtualized (VMware ESXi 4.1) environments.

Hardware for Windows Server

- x86 Environment: Minimum 3 GHz processor dual-core CPU Intel processor
- 4GB RAM
- 300 GB disk space

For Windows Server 64-bit, the higher the amount of RAM memory provides better performance for the SonicWALL GMS reporting modules.

GMS Virtual Appliance Supported Platforms

The elements of basic VMware structure must be implemented prior to deploying the SonicWALL GMS Virtual Appliance. SonicWALL GMS Virtual Appliance runs on the following VMware platforms:

- ESXi 5.0
- ESXi 4.0 Update 1 (Build 208167 and newer)
- ESX 4.0 Update 1 (Build 208167 and newer)

Note: SonicWALL GMS management is not supported on Apple MacOS.

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GMS Virtual Appliance Hardware Resource Requirements

The following hardware resources are required for the SonicWALL GMS Virtual Appliance:

- **RAM – 3168 MB:**

This is the maximum amount of RAM supported by the SonicWALL GMS Virtual Appliance operating system, SonicLinux (VM), which is a 32-bit OS. Additional RAM provided to the SonicWALL GMS Virtual Appliance in the virtual environment will not be utilized. A smaller amount of RAM can be configured, but is not recommended.

- **CPU – Two:**

This is the default number of CPUs provisioned in the SonicWALL GMS Virtual Appliance. The minimum required number of CPUs is one, and the maximum that the SonicWALL GMS Virtual Appliance can use is four CPUs.

- **Hard disk space:**

- For the 40 GB image – Up to 40 GB on any datastore

Note: The 40 GB GMS Virtual Appliance should be installed in non-production environments only. Examples of non-production environments include those for Proof of Concept (POC), pilot, and demo deployments. Only the 250 GB and 950 GB virtual appliances are supported in production environments.

- For the 250 GB image – Up to 250 GB on any datastore

- For the 950 GB image – Up to 950 GB on a datastore with either a 4 MB or 8 MB block size

UMA EM5000 Requirements

The SonicWALL Universal Management Appliance (UMA) 7.0 release is supported on the SonicWALL E-Class UMA EM5000 appliance.

Database Support and Requirements

For fresh installations or after upgrading to 7.0 from 6.0, SonicWALL GMS 7.0 supports the following databases:

- Microsoft SQL Server 2000 (SP4)
- Microsoft SQL Server 2005 (SP1)
- Microsoft SQL Server 2008

Regarding MS SQL Server 2005, SonicWALL GMS supports:

- SQL Server 2005 Workgroup
- SQL Server 2005 Standard
- SQL Server 2005 Enterprise

Note: SonicWALL GMS does **not** support MS SQL Server 2005 and 2008 Express.

MySQL Requirements

SonicWALL GMS automatically installs MySQL as part of the base installation package. Separately installed instances of MySQL are not supported with SonicWALL GMS 7.0.

Java Support

SonicWALL GMS services use **Java SE 6 Update 23**. SonicWALL GMS automatically downloads the Java Plug-in 6.0 when accessing SonicWALL GMS. SonicWALL GMS uses **Tomcat 6.0.32**.

Browser Support

- Google Chrome 14.0 or higher
- Microsoft Internet Explorer 8.0 or higher
- Mozilla Firefox 7.0 or higher



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SonicWALL Appliances Supported for GMS Management

SonicWALL GMS 7.0 supports the following SonicWALL appliances and firmware versions:

SonicWALL Platforms	SonicWALL Firmware Version
Firewall / Network Security	
SonicWALL SuperMassive 10000 Series	SonicOS 6.0 or newer Note: Only partial policy management and reporting support is currently available. The following SuperMassive specific features are not supported for centralized policy management in GMS 7.0: <ul style="list-style-type: none"> • Multi-blade CASS • High Availability/Clustering • Support for Management Interface • Flow Reporting Configurations • Multi-blade VPN • Advanced Switching • Restart: SonicOS versus Chassis Contact your SonicWALL Sales representative for more information.
SonicWALL NSA Series	SonicOS Enhanced 5.0 or newer
SonicWALL TZ Series	SonicOS Enhanced 3.2 or newer SonicOS Standard 3.1 or newer
SonicWALL PRO Series	SonicOS Enhanced 3.2 or newer
SonicWALL CSM Series	SonicOS CF 2.0 or newer
Email Security/ Anti-Spam	
SonicWALL Email Security Series	SonicWALL Email Security 7.2 or newer (management only)
Secure Remote Access	
SonicWALL SMB SSL-VPN Series	SonicOS SSL-VPN 2.0 or newer (management) SonicOS SSL-VPN 2.1 or newer (reporting)
SonicWALL Aventail Series	Aventail 9.0 or newer
Backup and Recovery	
SonicWALL CDP Series	SonicWALL CDP 2.3 or newer (management) SonicWALL CDP 5.1 or newer (reporting)

Note: SonicWALL GMS 7.0 introduces support for SonicWALL firewall App Control policy management and reporting. For SonicOS firewall **App Control policy management** support, use a SonicWALL firewall running SonicOS 5.8.1.4 or newer. And for SonicOS firewall **App Control reporting support**, use a SonicWALL firewall running SonicOS 5.8.1.0 or newer.

Legacy SonicWALL XPRS/XPRS2, SonicWALL SOHO2, SonicWALL Tele2, and SonicWALL Pro/Pro-VX models are not supported for SonicWALL GMS management. Appliances running SonicWALL legacy firmware including SonicOS Standard 1.x and SonicWALL legacy firmware 6.x.x.x are not supported for SonicWALL GMS management.

Non-SonicWALL Appliance Support

SonicWALL GMS provides monitoring support for non-SonicWALL TCP/IP and SNMP-enabled devices and applications.



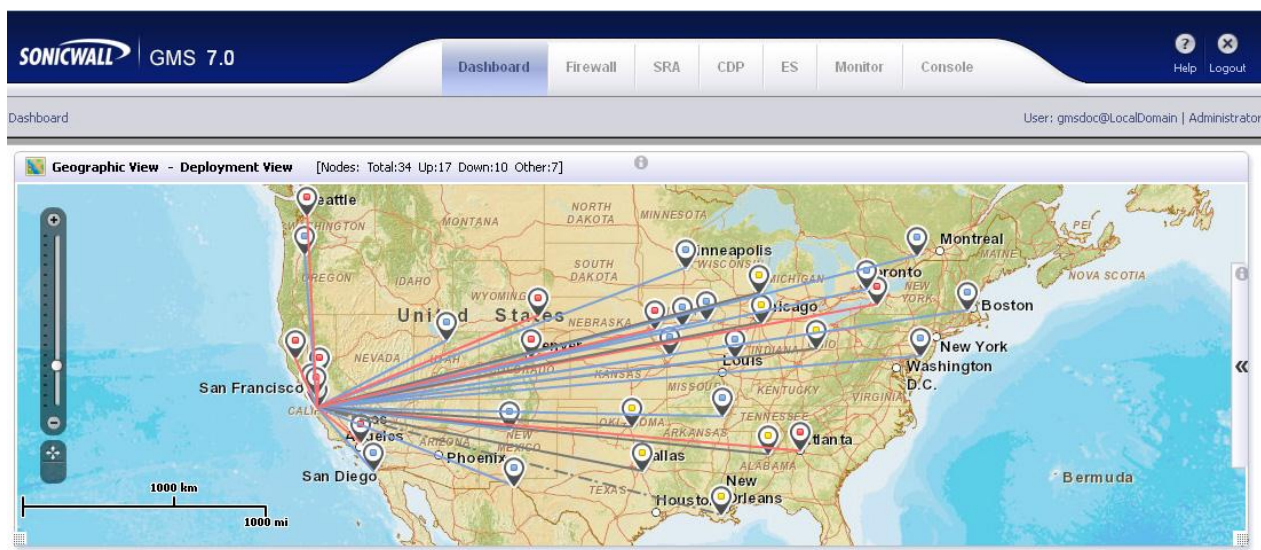
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Enhancements

The following are key enhancements in the SonicWALL GMS 7.0 release:

- **Scalability and Data Accessibility Enhancements**—The following enhancements are included in this release:
 - Drill down capabilities using direct access to the raw syslog data
 - Less disk space required due to higher compression rates
 - Near real-time reporting as syslogs are added to the database as they come in
- **SonicOS Support**—SonicWALL GMS 7.0 includes SonicOS support up to version 5.8.0 including IPS/ Gateway Anti-virus signature inheritance. **Note:** NetFlow and IPFIX are not supported data export formats in this release.
- **SRA SMB Support**—SonicWALL GMS 7.0 expands support for SonicWALL SRA SMB devices with the following functionality:
 - Backup of preference files
 - Web Application Firewall (WAF) reporting
- **Universal Dashboard**—The Universal Dashboard serves as the first place an administrator visits in SonicWALL GMS to find the information he needs. The Universal Dashboard uses several subordinate tabs. SonicWALL GMS 7.0 provides several pre-configured standard tabs but the administrator also has the ability to create their own subordinate tabs (subtabs). The primary subtab is one that includes a geographic map that auto-sizes to the region in which all SonicWALL devices are deployed. The status of each device, such as whether the device is up or down, is shown by using different icons on the map. The remainder of the page includes widgets pulling data from across the SonicWALL GMS application including logging and monitoring data. The data shown in each widget depends on the selection made in the geographic map. Using a search bar administrators can make complex appliance selections. All widgets are animated, interactive, and intuitive.

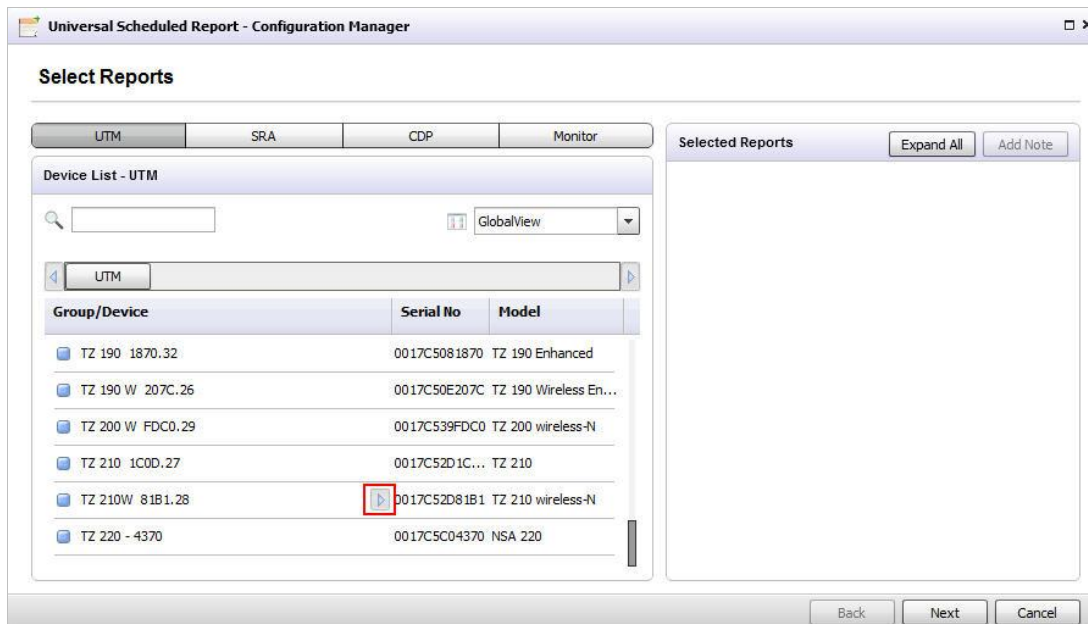
SonicWALL GMS 6.0 SP2 includes several navigation tools, to visually show what roles have been assigned to what agents (SonicWALL GMS servers), and VPN monitoring tools to show what devices are connected via VPN connections and which VPN tunnels are active. In SonicWALL GMS 7.0 these navigation tools and VPN monitoring tools are removed and replaced with similar tools available on the universal dashboard.



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- Universal Scheduled Reports**—In SonicWALL GMS 6.0 SP2 reports can be scheduled to be created and mailed to an email address but there's not one place to do this centrally. SonicWALL GMS 7.0 has one place to schedule reports to be created and mailed out across multiple appliances of various types. This approach takes much less time and is much more intuitive.

Scheduled reports can be saved as templates for future use. Bundled universal scheduled report templates include one to help with a compliance initiative for the Payment Card Industry Data Security Standard (PCI DSS) and one to quickly visualize and report on application usage on the network for a new firewall deployment.



- Visualization, Usability and Workflow Enhancements: Application Visualization and Intelligence**—Application visualization and intelligence reporting allows administrators to see historic and real-time reports of what applications are being used by what users. Reports are completely customizable using intuitive filtering and drill-down capabilities.

Compared to the SonicOS 5.8 Visualization and Application Control features, SonicWALL GMS provides the following additional reporting features:

More historic data than on firewall	Reporting on the firewall is done in-memory since most firewalls do not have a hard drive. SonicWALL GMS can store months of data versus minutes or hours of data on the firewall.
Aggregation of data across multiple devices	SonicWALL GMS allow administrators to view application usage across multiple SonicWALL firewalls – not just one firewall.
Easy access to different devices	SonicWALL GMS allow administrators to switch a report from one device to another with the click of a mouse.

- NetMonitor Templates** NetMonitor is a key component of SonicWALL GMS 6.0 SP2. NetMonitor is a very powerful feature to monitor SNMP enabled devices. However, network administrators have to fully understand the SNMP protocol to configure SonicWALL GMS to monitor a device. SonicWALL GMS 7.0 adds pre-configured canned templates for SonicWALL devices to more quickly setup devices for SNMP monitoring.



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- **New Deeper Integration Between SonicWALL GMS and ConnectWise PSA**—Flowgear has introduced a very rich expansion to the existing integration between the SonicWALL GMS and the ConnectWise PSA product. Out of the box integration is available for export of SonicWALL GMS reporting data for use in the ConnectWise PSA Executive Summary reports. For deeper integration, look to the Flowgear solution. The Flowgear ConnectWise - SonicWALL Accelerator makes it easy to stay on top of device status by raising a ConnectWise ticket when an alert is created. The ticket is automatically associated with the correct customer for the device and the device configuration is also attached. Managed Service Providers (MSPs) can meet customer Service Level Agreement (SLA) requirements by managing device events effectively from within ConnectWise.
- **Next Generation Syslog-Based Reporting**—SonicWALL GMS next generation reporting provides the following new enhancements:

Flexible and Granular Reporting	More optimized access to the underlying data also facilitates quick drill down capabilities and near real-time monitoring of data as it comes in.
State of the Art User Interface	SonicWALL GMS 7.0 has a Flex-based Graphical User Interface (GUI). A novel and intuitive interface layout with multiple filtering options forms the front-end of a rich and interactive web-based application for data analysis.
Reports Consolidation	The inclusion of a smart set of filters opens the door to a superior user experience. Administrators actually need a smaller set of reports to start from than before. Starting with one of the base reports, any custom report can be quickly generated by making the appropriate selections and saving the new custom report as a template for future use.
User Centric Reporting	SonicWALL GMS now reports on all activity of a user. SonicWALL GMS 7.0 reports on user activity as logged by a single SonicWALL device. Upcoming release versions may include user centric reporting across multiple devices of different types.
Per User Data Usage Reporting	In SonicWALL GMS 6.0 SP2 data usage reporting was only given for an appliance. SonicWALL GMS 7.0 introduces more granular data usage reporting down to the user, application level, and by network interface and VLANs.
Bandwidth and Services Reporting Per Interface	Detailed reports filtered by interface, including VLANs and virtual interfaces. Add virtual interface filters by replacing colon symbols ':' with an underscore bar '_' as follows: Use Virtual interface X4:V100 with a filter as X4_V100 .
More Granular Services Reporting	In SonicWALL GMS 6.0 SP2 the current services report only lists well known services such as HTTP and FTP. In SonicWALL GMS 7.0 this list of services is greatly expanded to not so well known services and custom services.
Client VPN Activity Reporting	A report detailing IPSec and SRA remote user sessions by user.
Narrative Report Descriptions	Detailed descriptions for each available report.
More Detailed Summary of Services over VPN Report	Detailed report of services over VPN connections.



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- **Rogue Wireless Access Point Reporting**—SonicWALL GMS 7.0 includes a new rogue wireless access point report. This is especially important to customers subject to the Payment Card Industry (PCI) Data Security Standard (DSS) programs operated by the major payment brands.

As part of a PCI compliance initiative, if a customer is using wireless they must be able to meet the following requirement. PCI Requirement 11.1: Test for the presence of wireless access points by using a wireless analyzer at least quarterly or deploying a wireless IDS/IPS to identify all wireless devices in use. The Test Procedure to satisfy this Requirement is as follows:

- Verify that a wireless analyzer is used at least quarterly, or that a wireless IDS/IPS is implemented and configured to identify all wireless devices.
- If a wireless IDS/IPS is implemented, verify the configuration to generate alerts to personnel. Test for the presence of wireless access points by using a wireless analyzer at least quarterly or deploying a wireless IDS/IPS to identify all wireless devices in use.
- Verify the organization's Incident Response Plan (Requirement 12.9) includes a response in the event unauthorized wireless devices are detected.
- Using SonicWALL GMS 6.0 SP2 a customer can schedule a scan on an individual firewall. However it is not possible to set a scheduled task for a group of firewalls. SonicWALL GMS 7.0 adds the following functionality:
 - Schedule and perform a wireless IDS (WIDS) scan from SonicWALL GMS at the unit/group levels.
 - Ability to identify rogue behavior from ad-hoc or peer-to-peer networking between hosts (such as, turning a laptop into a Wireless Access Point) and accidental associations for users connecting to neighboring rogue networks.

This has been provided, using a combination of user driven on-demand reports and the new scheduled reports for rogue wireless access points in SonicWALL GMS 7.0.

- Schedule summarized reports from SonicWALL GMS at the unit/group level to be emailed out on a periodic (daily/weekly/monthly) basis.
 - Reports are available in XML and PDF formats.
 - On screen and scheduled reports including the following data: MAC Address (BSSID), SSID, Channel (such as, 1-11 for NA), Manufacturer, Signal Strength (helpful in locating the rogue AP).
 - The time and date of the scan is also given, which gives an indication of the duration of the access points since discovery.
- **Google Chrome Browser Support**—This browser is now supported in this release. As the SonicWALL-recommended browser for SonicWALL firewall security appliance management, use this browser for improved performance on displaying network security visualization reports.
- **SonicWALL GMS 40GB Virtual Appliance Support**—This image size is now supported in this release in addition to 250GB and 950GB image sizes.

The 40 GB GMS Virtual Appliance should be installed in non-production environments only. Examples of non-production environments include those for Proof of Concept (POC), pilot, and demo deployments. Only the 250 GB and 950 GB virtual appliances are supported in production environments.



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- **Localization**—All end-user facing reporting screens and some of the administrator management screens of SonicWALL GMS 7.0 are localized in Japanese, simplified Chinese and traditional Chinese. More specifically the following screens are localized:

- Reports tab screens
- Universal Dashboard
- Universal Scheduled Reports (including PDF reports)
- NetMonitor
- Console Panel
- Windows Installer

Note: The Firewall/SRA/CDP/ES policy panels in SonicWALL GMS 7.0 are not localized.

Known Issues

The following are known issues in the SonicWALL GMS 7.0 release:

UMA Appliance LCD

Symptom	Condition / Workaround	Issue
The SonicWALL UMA EM5500 appliance front bezel LCD incorrectly displays the date information, and the push button controls for the LCD display are not functioning correctly.	Occurs when using the front bezel LCD control buttons, administrator is unable to navigate the interface or input changes.	107120

Users

Symptom	Condition / Workaround	Issue
GMS administrators are not able to successfully authenticate to Web services on a third-party domain. After failed authentication on the login screen, you receive an HTTP Status 401 error message.	Occurs when a GMS administrator provides a valid username and password to authenticate to Web services on a third-party domain.	108670
GMS user's reports panel view and access permissions are reset to factory defaults.	Occurs when enabling and disabling the Console > Reports > "Show Legacy (pre-GMS 7.0) Reports" checkbox. This issue does not affect new installations of GMS 7.0. This issue is limited to the user ID created for Legacy Reporting purposes only. Legacy (GMS 6.0 and older) reports are viewed by creating a dedicated user ID with Legacy privileges. This user ID needs to be created by the GMS administrator. The user with Legacy privileges needs to login to the system using this user ID.	110420
During GMS users LDAP configuration, an unassociated error message displays, "Radius share secret is blank. Please fill in."	Occurs during an update of the Console > Users > General Settings page for LDAP configuration. Workaround: Enter Radius share secret field with any value, and continue with your LDAP configuration.	108140



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Reporting

Symptom	Condition / Workaround	Issue
After acquiring a SonicWALL CDP appliance running CDP 6.0 firmware, the GMS software may not immediately display the CDP reports panel during unit acquisition.	This occurs after the first time the administrator adds CDP appliances running CDP 6.0 firmware for GMS management and reporting. Workaround: After you add a CDP appliance for management, wait 2-3 minutes and then refresh your browser to view the CDP reports panel.	95523
SRA Web Application Firewall detected threats for “Cross-Site Request Forgery” and “Cookie Tampering” are not displaying in GMS reports.	Occurs when the administrator navigates to the SRA > Reports > Threats Detected page. “Cross-Site Request Forgery” and “Cookie Tampering” WAF threats are detected on the SRA appliance but there is a reporting display issue of categorizing these detected threats in this release.	106660

CDP Policy Management

Symptom	Condition / Workaround	Issue
When adding a SonicWALL CDP appliance running CDP 6.0 firmware for GMS management for the first time, the following message is displayed: <i>The appliance user name or password was incorrect.</i>	Occurs when a SonicWALL CDP unit is added for the first time for GMS management. GMS successfully acquires the unit without any user intervention after a few minutes.	95526
After removing a SonicWALL CDP appliance from GMS management and selecting the option to retain report data, the report data is missing.	This occurs when you remove a GMS managed SonicWALL CDP appliance from GMS, select the option to not delete the report data, add the CDP unit back to GMS, and then verify if the report data has been retained.	95956
SonicWALL CDP appliances managed by GMS are not displaying “Agent Quota Reached” alerts in CDP > Current Alerts .	After configuring a SonicWALL CDP appliance for GMS management, set a CDP agent backup quota. Once the CDP agent backup quota is reached, an email alert from GMS is sent to the administrator. However, when the administrator logs into GMS and views the CDP > Current Alerts view, no message is displayed for this SonicWALL CDP appliance. This is only a UI display issue and will be resolved in the next maintenance release.	96374

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Firewall Policy Management

Symptom	Condition / Workaround	Issue
While configuring VPN interconnected SAs, SonicWALL GMS administrator is logged out.	Occurs when an administrator is entering VPN policy settings on the Firewall > Policies > VPN > Configure 2.0 page and is using Java Plug-in 6 Update 29 or newer. Workaround: Use Java Plug-in 6 Update 25.	111272
The add VLAN option for creating wireless virtual access points (VAPs) is not available on the GMS policy management interface.	Occurs in GlobalView when you navigate to Firewall > Policies > Network > Interfaces > Add VLAN . And this issue also occurs on the Firewall > Policies > Wireless > VAP page.	110073
The Connection Monitor is not displaying any active user connections.	Occurs when an administrator navigates to view the Firewall > Policies > System > Diagnostics page for the Connection Monitor.	111171

Resolved Issues

The following issues are resolved since the SonicWALL GMS 7.0 release:

Symptom	Condition / Workaround	Issue
SonicWALL GMS and ViewPoint fail to delete data based on their data retention schedule policy.	This occurs when the administrator configures a data retention schedule policy for "per unit retention" and files with .nmm file extensions. When the time comes for scheduled maintenance of retained data, the data is not deleted as expected.	95724
GMS users with an apostrophe (') symbol in their username are unable to login the GMS management interface. After failed login, GMS user receives an Error 500 ID message.	This occurs when special characters are added to LDAP usernames in Console > Users .	108763
The maximum number of characters allowed in the Name field for Network Address Objects and Network Address Groups in GMS management interface setting does not match the maximum limit allowed in the SonicOS management interface.	Occurs while creating Address Objects and Address Groups on a SonicWALL firewall appliance in GMS at Policies > Network > Address Objects , GMS allows 64 characters in the Name fields for both Address Objects and Address Groups.	105911
On the SonicWALL UMA EM5500 appliance, once the installation disk becomes full a few reports are unable to display due to a lack of disk space.	Occurs when the installation disk becomes full.	97551
Only the Webserver service is running, other services are not running.	Occurs when the system CLASSPATH is populated with spaces.	87950
Inclusion filters for Bandwidth Usage > Over Time reports are not functioning correctly.	Occurs on Network > Interface inclusion filters.	86232



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Enhancement request to add scheduled Wireless Intrusion Detection Service (WIDS) scans and reporting.	This occurs when a network administrator requires the ability to schedule WIDS scanning and reports for PCI compliance.	83128
During a SonicOS firmware upgrade at the group level, the firmware version was unexpectedly downgraded to a general release (GD) firmware version.	Occurs during a group level firmware update using the "Upgrade to latest firmware available at mySonicWALL.com."	108624

Installing and Upgrading the SonicWALL GMS 7.0 Release

This section provides procedures to upgrading an existing GMS 6.0 installation to GMS 7.0. The GMS 7.0 release only supports upgrades from the GMS 6.0 release or newer. The GMS 5.1 release cannot be upgraded to the GMS 7.0 release. This section also describes how to view legacy GMS 6.0 reports in GMS 7.0. SonicWALL GMS can be configured for a single server or in a distributed environment on multiple servers. SonicWALL GMS 7.0 can be installed as a fresh install or as an upgrade from GMS 6.0.

Note: The 40 GB GMS Virtual Appliance should be installed in non-production environments only. Examples of non-production environments include those for Proof of Concept (POC), pilot, and demo deployments. Only the 250 GB and 950 GB virtual appliances are supported in production environments. It is not possible to upgrade a 40 GB virtual appliance to a 250 GB or 950 GB virtual appliance. You need to download the 250 GB or 950 GB virtual appliance if you are planning to use this software now or in the future for a production environment.

Also, even in non-production environments, the amount of syslog data collected by the virtual appliance may exceed the 40 GB limit, in which case Dell SonicWALL will be unable to support the 40 GB virtual appliance.

This section includes the following subsections:

- [Installing Universal Management Suite 7.0](#)
- [Upgrading from an Earlier Version of SonicWALL GMS Software for Windows](#)
- [Upgrading to the SonicWALL GMS 7.0 Release for the SonicWALL UMA EM5000 Appliance or Virtual Appliance](#)
- [Upgrading SonicWALL ViewPoint 6.0 to SonicWALL GMS 7.0](#)

Note: You must disable the User Account Control (UAC) feature on Windows before running the SonicWALL GMS installer. In addition, disable Windows Firewall or your personal firewall before running this installer.



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Caution When Upgrading from GMS 6.0 to GMS 7.0: For GMS 6.0 distributed deployments with a GMS MySQL database server, the database authentication requirements have been updated in the GMS 7.0 release to provide improved security access. In GMS 6.0, Agents in many distributed deployments used the reserved admin name “root” for the database user name. In GMS 7.0, do not use “root” as the database user name—instead use the non “root” database user name that you created when you first installed GMS. In this example, use “gmsuser” instead.

Before upgrading to the GMS 7.0 release, on the GMS Servers/Agents where MySQL is not installed, navigate to the **Deployment Roles > Database Configuration** section, and change the Database User name from “root” to “gmsuser.” For the Database Password field, irrespective of the password you specified during the MySQL database creation, use the username as the password—which in this example is “gmsuser.” You can verify that the database connectivity with these new credentials is working by clicking the **Test Connectivity** button before clicking the **Update** button to commit these database settings changes. On the GMS server where MySQL is installed, the password for “gmsuser” is not “gmsuser,” but the password that you specified when you installed GMS—you will not need to make any settings changes on this server. You can also perform this database configuration setting update after the GMS 7.0 installation to synchronize your GMS host MySQL.

The screenshot displays the 'Database Configuration' window in the GMS interface. On the left, a navigation pane shows 'System', 'Network', and 'Deployment' (expanded to show 'Roles', 'Settings', and 'Services'). The main panel has three sections: 'Monitor', 'Event', and 'Syslog Collector' (each with a radio button and a 'Details' link), followed by 'Include Database (MYSQL)' (checked) and 'Include Redundancy' (unchecked). The 'Database Configuration' section contains the following fields: 'Database Type' (MySQL), 'Database Host' (localhost), 'Database Port' (3306), 'Database User' (gmsuser), 'Database Password' (empty), 'Confirm Database Password' (empty), 'Database Driver' (com.mysql.jdbc.Driver), and 'Database URL' (jdbc:mysql://localhost:3306). At the bottom right are 'Test Connectivity', 'Update', and 'Reset' buttons.

Note that these instructions apply only if you are upgrading from an earlier version of GMS to GMS 7.0, and if it is a distributed GMS deployment with MySQL as the database server and Database User name is “root.”

When Performing a Fresh GMS 7.0 Installation:

Make sure you use a non “root” database user name when first creating the MySQL database on the GMS Server with a Database role. The database password does not need to be the same as the database user name.

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Installing Universal Management Suite 7.0

In SonicWALL GMS 7.0, all software components related to SonicWALL GMS and SonicWALL Analyzer, including the MySQL database, executable binary files for all GMS services, and other necessary files, are installed using the Universal Management Suite 7.0 single-binary installer. All GMS and Analyzer files are installed as the Universal Management Suite 7.0, but no distinction is made between GMS and Analyzer during the installation. The initial installation phase takes just a few minutes for any type of installation, such as GMS server, Analyzer server, database server, or any other role.

To perform a fresh install of the Universal Management Suite 7.0 from the single binary installer, perform the following steps:

1. Log on to your SonicWALL GMS management computer as **administrator** (Windows). Launch the SonicWALL Universal Management Suite 7.0 installer, by right-clicking the file **sw_gmsvp_win_eng_7.0.xxxx.xxxx.exe** (where “xxxx” represent the exact version numbers) and select **Run as administrator**. It may take several seconds for the InstallAnywhere self-extractor to initialize.
2. In the Introduction screen, click **Next**.
3. In the License Agreement screen, select the radio button next to **I accept the terms of the License Agreement**. Click **Next**.
4. Select the path to the folder where you would like to install the files. You can accept the default path, **C:\GMSVP**, type in a new path, or click the **Choose** button to navigate to the selected folder. When you are finished, click **Next**.

Alert: Do not include spaces in the installation path.

5. In the SonicWALL Universal Management Suite Settings screen, select or type in the IP address to which the SonicWALL GMS services should bind to listen for inbound TCP, UDP, SNMP, syslog, or other packets. The installer detects and offers radio buttons for any IP addresses associated with the system. The default is your management computer IP address. To use a different IP address, select **Other** and type the IP address into the field. Click **Next**.
6. To use a custom port for HTTP or HTTPS traffic to the system’s Web Server, type the port number into the **HTTP Port** or **HTTPS Port** field.

If you receive the message “Cannot bind to the port number specified. Please specify a different one,” the port you specified is in use by another program, for example, Internet Information Services (IIS). Specify a different, unused port, such as 8080.

Tip: If you specify a custom port, you will need to modify the URLs you use to access GMS by using the following format: **http://localhost:<port>/** (to login from the local host) or **http://<ipaddress>:<port>/** (to login from a remote location). For example, if you specified HTTP port 8080, the URL would be **http://localhost:8080/** for a local host login, or **http://10.0.93.20:8080/** for a remote login.

7. Click **Install**.
8. If you see a Windows Security Alert for Java, click **Unblock**.
9. The installer displays a progress bar as the files are installed. Wait a few minutes for the installer to finish installing.



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10. After the files are installed, whether or not the system has a Personal Firewall such as Windows Firewall enabled, a dialog is displayed notifying you to either disable the firewall or manually open the syslog and SNMP ports, and to ensure that these ports are open on your network gateway or firewall if you plan to use HTTPS Management mode for managing remote appliances (instead of GMS Management Tunnel or Existing Tunnel modes). Click **OK**. Be sure to adjust the settings as recommended.
11. The Important Registration Information screen provides the URL and credentials to use to log into the SonicWALL GMS Universal Management Host system interface after restarting your system:

The default URL for accessing the interface from the local system is:
http://localhost:80/

The default credentials are:

User name – **admin**

Password – **password**

This screen also provides information about registration. To register a SonicWALL GMS installation, use the 12-character serial number that you received when you purchased this product. Click **Next**.

12. In the Installation Complete screen, select **Yes, restart my system** to restart your system immediately, or select **No, I will restart my system myself** to restart your system later. Click **Done**.
13. After restarting your system, you can access the SonicWALL UMH system interface to register the product and configure the GMS server settings on this system.

Access the SonicWALL GMS UMH system interface by either clicking on the new desktop shortcut for **SonicWALL Universal Management Suite 7.0** (your default Web browser will launch **http://localhost/appliance/login**), or by pointing your browser at **http://localhost/**.

14. Log in using the username **admin** and the password **password**. You will be prompted to change your password.

Note: *You are forced to change your password the first time you login.*

Upgrading from an Earlier Version of SonicWALL GMS Software for Windows

You can use the SonicWALL UMS installer to upgrade from the GMS 6.0 to the 7.0 release. To complete registration, the system must have access to the Internet and you must have a MySonicWALL account.

When upgrading a distributed deployment, upgrade and register the primary system first. This is usually the SonicWALL GMS Console system from the original deployment. All subsequent instances of SonicWALL GMS will use the primary system's 12 character serial number when registering as components of the deployment. Each server in the distributed deployment must be upgraded and registered individually.

If the GMS Console (Web server) is set up for HTTPS management, the upgrade to GMS will preserve the HTTPS settings for the GMS Web server.

The upgrade installer checks with the SonicWALL backend to see if the SonicWALL GMS deployment has a valid support license. If it does not, then the upgrade discontinues. If the SonicWALL GMS installer detects that the SonicWALL backend site is not accessible, it prompts the user to enter an Upgrade Key. If the key is valid, it allows the upgrade to continue. If the key is invalid, the installation fails.



Release Notes

Note: *In a distributed environment, stop all GMS services on all GMS servers before performing an upgrade. You must upgrade all GMS servers in your deployment to the same version of SonicWALL GMS 7.0. You cannot have some servers running version 6.0 and others running 7.0.*

It is highly recommended that you backup your database, GMS installation folders, and the **<GMS installation folder>\conf\sgmsConfig.xml** file on all GMS servers prior to performing the SonicWALL GMS upgrade.

To upgrade the SonicWALL GMS software for Windows Server, perform the following steps:

1. Log on to your SonicWALL GMS management computer as administrator (Windows). Launch the SonicWALL Universal Management Suite 7.0 installer, by double-clicking the file **sw_gmsvp_win_eng_7.0.xxxx.xxxx.exe** (where “xxxx” are the exact version numbers). It may take several seconds for the InstallAnywhere self-extractor to initialize.
2. In the Introduction screen, click **Next**.
3. In the License Agreement screen, select the radio button next to **I accept the terms of the License Agreement**. Click **Next**. Wait while the installer prepares to install SonicWALL UMS on your system.

Note: *You must have a valid support license to upgrade your SonicWALL GMS.*

4. Click **Install** to upgrade your installation. The Installer detects the previous installation of SonicWALL GMS. Click **Install** to proceed with the upgrade.
5. If you see a Windows Security Alert for Java, click **Unblock**. The installer displays a progress bar as the files are installed. Wait a few minutes for the installer to finish installing.
6. After the files are installed, whether or not the system has a Personal Firewall such as Windows Firewall enabled, a dialog is displayed notifying you to either disable the firewall or manually open the syslog and SNMP ports, and to ensure that these ports are open on your network gateway or firewall if you plan to use HTTPS Management mode for managing remote appliances (instead of GMS Management Tunnel or Existing Tunnel modes). Click **OK**. Be sure to adjust the settings as recommended.
7. The final installer screen contains the path of the installation folder, and warns you that the Universal Management Suite Web page will be launched next. Click **Done**.

Note: *When upgrading from SonicWALL GMS 6.0 to 7.0, legacy reports from GMS 6.0 will not be migrated to GMS 7.0. In GMS 7.0, you can still view legacy reports. For more information on viewing legacy reports, refer to the SonicWALL GMS 7.0 Administrator's Guide.*

Configuration Tip for Viewing Legacy GMS 6.0 Reports in SonicWALL GMS 7.0: Upon upgrading GMS 6.0 to GMS 7.0 with default settings, administrators will not be able to view the older reports that were generated using GMS 6.0. To view the old “legacy” reports, enable the “Show Legacy (pre GMS 7.0) Reports” checkbox in the **Console > Management > Settings** page. Since SonicWALL GMS 7.0 uses a new reporting architecture for Universal Scheduled Reporting, you will not be able to generate new GMS 7.0 reports using the legacy GMS 6.0 reporting format. The SonicWALL GMS 7.0 release provides next generation reporting capabilities over GMS 6.0 legacy reports.

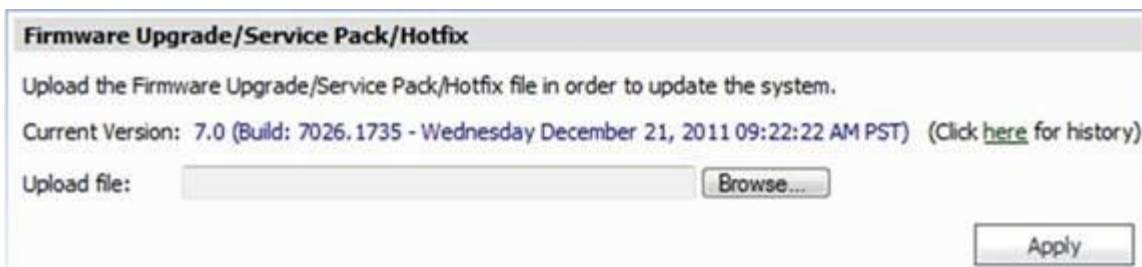


Release Notes

Upgrading to the SonicWALL GMS 7.0 Release for the SonicWALL UMA EM5000 Appliance or Virtual Appliance

For the SonicWALL UMA EM5000 appliance and GMS Virtual Appliance deployments, upgrading from the GMS 6.0 release to the GMS 7.0 release can be performed on the **System > Settings** page.

Note: *In a distributed environment, stop all GMS services on all GMS servers before performing an upgrade. You must upgrade all GMS servers in your deployment to the same version of SonicWALL GMS 7.0. You cannot have some servers running version 6.0 and others running 7.0.*



Download the respective files from the MySonicWALL.com Software Download Center to your workstation:

- **sw_gmsvp_vm_eng_7.0.7027.1736.gmsvp-updater.sh** (GMS Virtual Appliance)
- **sw_uma_em5000_eng_7.0.7027.1736.gmsvp-updater.sh** (SonicWALL UMA EM5000 appliance)

Click on the **Browse** button, and navigate to the location where you saved the above files. Click the **Apply** button to begin the firmware upgrade installation.

Note: *When upgrading from SonicWALL GMS 6.0 to 7.0, legacy reports from GMS 6.0 will not be migrated to GMS 7.0. In GMS 7.0, you can still view legacy reports. For more information on viewing legacy reports, refer to the SonicWALL GMS 7.0 Administrator's Guide.*

Configuration Tip for Viewing Legacy GMS 6.0 Reports in SonicWALL GMS 7.0: Upon upgrading GMS 6.0 to GMS 7.0 with default settings, administrators will not be able to view the older reports that were generated using GMS 6.0. To view the old “legacy” reports, enable the “Show Legacy (pre GMS 7.0) Reports” checkbox in the **Console > Management > Settings** page. Since SonicWALL GMS 7.0 uses a new reporting architecture for Universal Scheduled Reporting, you will not be able to generate new GMS 7.0 reports using the legacy GMS 6.0 reporting format. The SonicWALL GMS 7.0 release provides next generation reporting capabilities over GMS 6.0 legacy reports.

Release Notes

Upgrading SonicWALL ViewPoint 6.0 to SonicWALL GMS 7.0

SonicWALL ViewPoint 6.0 cannot be upgraded directly to the **SonicWALL GMS 7.0 release**. However, you can migrate from ViewPoint 6.0 to the GMS 7.0 release by following a few steps:

1. Upgrade ViewPoint 6.0 to the GMS 6.0 release 30-day free trial software.
2. Purchase the full retail version of GMS 6.0. And convert your GMS 6.0 free trial software to the full retail version of GMS 6.0, and then proceed to upgrade to this GMS 7.0 release.

Configuration Tip for Viewing Legacy ViewPoint 6.0 Reports in SonicWALL GMS 7.0: Upon upgrading ViewPoint 6.0 to GMS 7.0 with default settings, administrators will not be able to view the older reports that were generated using ViewPoint 6.0. To view the old “legacy” reports, enable the “Show Legacy (pre GMS 7.0) Reports” checkbox in the **Console > Management > Settings** page. Since SonicWALL GMS 7.0 uses a new reporting architecture for Universal Scheduled Reporting, you will not be able to generate new GMS 7.0 reports using the legacy ViewPoint 6.0 reporting format. The SonicWALL GMS 7.0 release provides next generation reporting capabilities over ViewPoint 6.0 legacy reports.



Release Notes

Online Training Materials

SonicWALL Technical Training Services offers GMS software and UMA appliance elearning for essential security administrator certification. This Certified SonicWALL Security Administrator (CSSA) course provides fundamental instructions to help you understand the basic deployment best practices for Managed Security Service Providers.

The following link provides the latest information regarding SonicWALL GMS eLearning courses:

http://www.sonicwall.com/us/14844.html#Global_Management_System_GMS

The screenshot shows a presentation slide with a dark blue background and white text. The title is "CSSA* - SonicWALL GMS Configuration". Below the title, it says "Module 1: SonicWALL GMS Configuration" followed by a bulleted list: "Global Management System 6.x" and "User-level Overview". There is a logo on the right side of the slide depicting a globe with a graduation cap and three people. The SonicWALL logo is at the bottom right. At the bottom left, it says "* - Certified SonicWALL Security Associate" and "Copyright © 2010, SonicWALL. All Rights Reserved." The presentation player interface at the bottom shows "Slide 1 / 15 | Stopped" and a timer at "00:04 / 00:05".

CSSA* - SonicWALL GMS Configuration

Module 1: SonicWALL GMS Configuration

- Global Management System 6.x
- User-level Overview

* - Certified SonicWALL Security Associate
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Slide 1 / 15 | Stopped 00:04 / 00:05

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Student Notes:

FREE: files download to read and study. Click the paperclip button on the bottom navigation.

This area will contain supplemental information. You will find the answers to many of your test questions in this text area.

Use the "||" (pause) button on the lower right to pause the presentation.

Use the scroll bar on the left-side of this window to view all the reading content.

The narrator **WILL NOT READ** this text area to you.

7 Minutes 22 Seconds Remaining

Release Notes

Related Technical Documentation

The SonicWALL GMS 7.0 technical documentation set includes the following reference guides:

- *SonicWALL GMS/UMA 7.0 Administrator's Guide*
- *SonicWALL GMS 7.0 Software Getting Started Guide*
- *SonicWALL GMS 7.0 Virtual Appliance Getting Started Guide*
- *SonicWALL UMA EM5500 Getting Started Guide*
- *SonicWALL GMS 7.0 Release Notes*

For basic and advanced deployment examples, refer to SonicWALL guides and technotes available on the SonicWALL Technical Documentation Online Library Web site:

<http://www.sonicwall.com/us/Support.html>

The screenshot displays the SonicWALL Support website. At the top, there is a navigation bar with the SonicWALL logo, links for Products, Solutions, How to Buy, Support, Sign In, and Register, and a search box. Below the navigation bar, the page is titled "Support for SonicWALL® Products and Services". On the left, there is a "Where am I?" sidebar with a "Support" menu containing various categories like Overview, Product Documentation, Network Security, SSL VPN Secure Remote Access, Email Security, Management & Reporting, Global Management System, UMA Series, ViewPoint Software, Scrutinizer, Backup & Recovery, Content Security Management, Client Software, Legacy Products, Self-Help Resources, Support Services, Professional Services, Guidelines & Policies, Product Lifecycle, Contact Support, and Training / Certification. The main content area features a "Service Bulletins" section with a "Vulnerability for E-Class SSL-VPN ActiveX Control format" and a "Knowledge Base Search" section with a search input field and a "Search..." button. Below these are several product category icons: Network Security, SSL VPN Secure Remote Access, Email Security, Backup & Recovery, Endpoint Security, and Management & Reporting. The "Top Support Topics" section lists several articles, and the "Recent Video Tutorials" section features a video titled "Initializing and Registering Your UMA".

Release Notes

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Support Services
SonicWALL Warranty
Limitation of Liability
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General

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reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections

2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.



Release Notes

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Special exception for LZMA compression module

Igor Pavlov and Amir Szekely, the authors of the LZMA compression module for NSIS, expressly permit you to statically or dynamically link your code (or bind by name) to the files from the LZMA compression module for NSIS without subjecting your linked code to the terms of the Common Public license version 1.0. Any modifications or additions to files from the LZMA compression module for NSIS, however, are subject to the terms of the Common Public License version 1.0.